

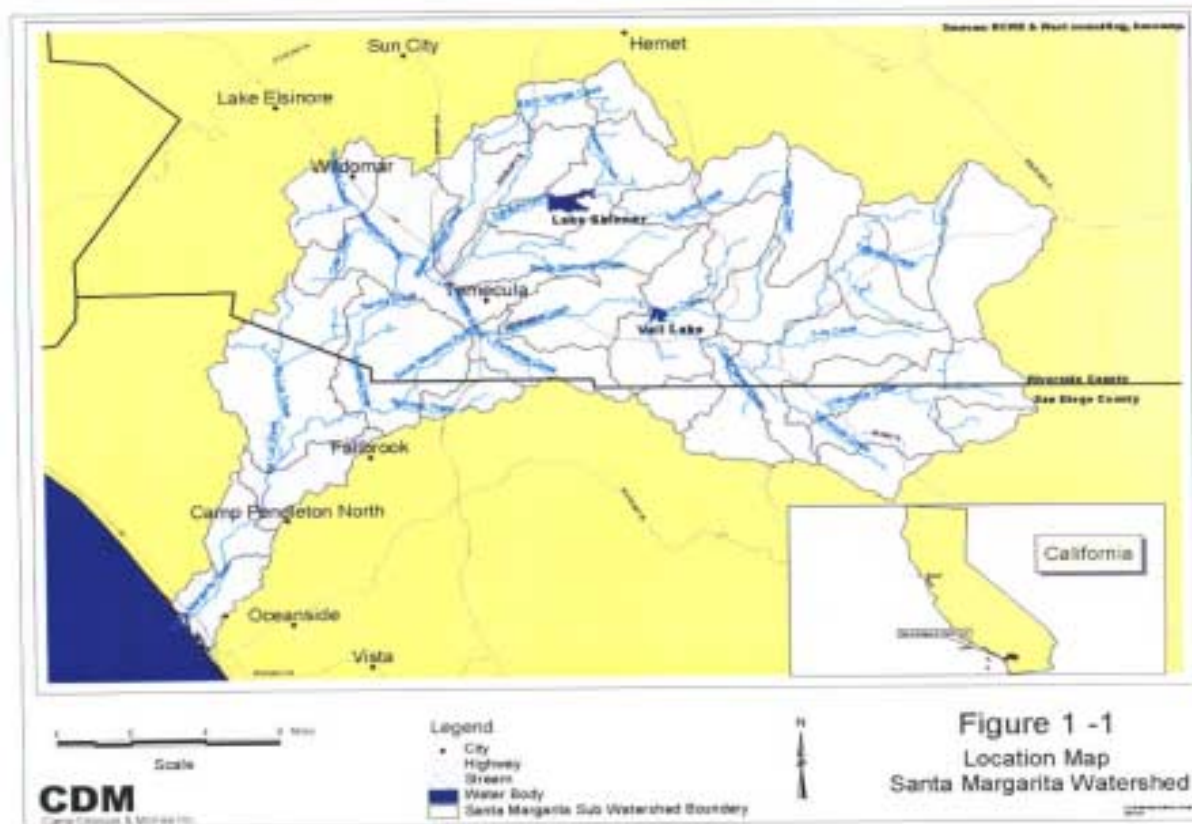
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• Riverside County Municipal
Storm Water Permit Renewal
Tentative Order No. R9-2004-0001



Item 12

February 11, 2004

Description of Watershed (Document No. 1)





1. Murrieta Creek

2. Cole Creek

3. Slaughterhouse Creek

4. Warm Springs Creek

5. Tualota Creek

6. Santa Gertrudis Creek

7. Long Valley Wash

8. Temecula Creek

9. Pechanga Creek

10. Rainbow Creek

11. Sandia Creek

12. De Luz Creek

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Santa Margarita River



Beneficial Uses



- Community, Individual, Military Drinking Water



- Groundwater Recharge
- Recreation
- Agricultural Supply
- Industrial Supply

- Warm Freshwater Habitat
- Cold Freshwater Habitat
- Wildlife Habitat
- Rare, Threatened or Endangered Species



Water Quality Problems and Concerns

Source	Existing or Potential Problem
SWRCB 303(d) List	Listings: Phosphorus (Murrieta and Santa Margarita), Eutrophication (estuary) Concerns: Sedimentation/ siltation, iron, sulfate, manganese, TDS
Riverside County General Plan	Sediment from construction-related erosion Pollution due to urban storm water runoff
San Diego County WURMP	Eutrophication, Nitrogen, Phosphorus, Diazinon, TDS, other toxic substances, trash
SDRWQCB Bioassessment Data	Degraded biological and physical integrity
SDRWQCB, EPA Draft Operational Guidebook for reference based assessment	Severe physical impacts (excessive erosion, down cutting, sedimentation, etc.) from rapid and high volumes of urban runoff and a lack of effective runoff management practices

Exceedances of WQS

Station	Multiple or Chronic Exceedance
Redhawk Channel	Boron, MBAS, color, total nitrogen, total phosphorus, fecal coliform, flouride, iron, manganese, nitrogen-nitrate, ammonia, odor, DO, TDS, sulfate, turbidity, pH, antimony, beryllium, chlorpyrifos, diazinon
Empire Creek	Boron, MBAS, color, total nitrogen, total phosphorus, fecal coliform, chromium, iron, manganese, nitrogen-nitrate, ammonia, odor, DO, TDS, thallium, turbidity, pH, antimony, beryllium, chlorpyrifos, diazinon
Cal Oaks Channel (Line F)	MBAS, color, total nitrogen, total phosphorus, feccal coliform, chromium, iron, manganese, nitrogen-nitrate, ammonia, odor, TDS, turbidity, pH, antimony, chlorpyrifos, diazinon
Lower Murrieta Creek	Color, total nitrogen, total phosphorus, fecal coliform, iron, manganese, nitrogen-nitrate, odor, DO, TDS, sulfate, turbidity, antimony, chlorpyrifos, diazinon